

Exhibit 300: Capital Asset Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2009-06-30
Date of Last Change to Activities: 2012-04-13
Investment Auto Submission Date: 2012-02-22
Date of Last Investment Detail Update: 2012-02-22
Date of Last Exhibit 300A Update: 2012-04-13
Date of Last Revision: 2012-08-11

Agency: 012 - Department of Labor **Bureau:** 19 - Mine Safety and Health Administration

Investment Part Code: 01

Investment Category: 00 - Agency Investments

1. Name of this Investment: MSHA - MSHA Standardized Information System (MSIS)

2. Unique Investment Identifier (Ull): 012-000002085

Section B: Investment Detail

- 1. Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

MSHA Standardized Information System (MSIS) is a web-based application, the critical core information management system enabling MSHA to accomplish its mission of protecting the health and safety of the nation's miners. MSIS supports a variety of critical functions that enforce the Mine Act (1977), the MINER Act (2006) and title 30 CFR. These encompass the enforcement of safety and health standards; supporting miner and instructor certifications; assessing violation penalties; managing mine information; and managing contested violations. These functions provide an effective means of reducing the frequency and severity of accidents; minimizing health hazards and promoting improved safety and health conditions at the nation's 14,000 mines. MSIS serves the business needs of six agency program areas -- Office of Assessments; Education, Policy & Development; Coal Enforcement, Metal/Non-Metal Enforcement, Technical Support, and Office of Injury & Employment Information. It is the primary enterprise application framework and data repository for MSHA. MSIS provides integrated data processing for MSHA and provides the most current industry-wide data available for the nation's mines. This enables MSHA to closely track safety conditions, track compliance, and identify critical patterns of violations. Being the definitive source of mine safety data, non-government entities like private industry, educational institutions, research organizations, in addition to other government agencies rely heavily on regular distribution of data and reports for their business operations. MSIS is also

used to ensure that mines are inspected on schedule. MSIS has recently been expanded to support the certification of mining equipment for the mining industry. MSIS is currently being expanded to support processing of samples taken from mines.

2. How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.

BY plans include: -Revise Assessments bill delivery using USPS: The system currently uses automated delivery via FedEx but has no capability to auto-correct addresses. Undelivered mail which must be re-processed at added costs from FedEx plus charges for corrections. With USPS delivery services, MSHA will significantly lower costs since USPS auto-corrects addresses. Without this change, the current costs will increase and addressing errors will not be corrected. -Establish data sharing and mine operator contested case load management with the solicitor SOLAR system; This will result in improvements to case tracking, reducing the case backlog and more equal distribution of case load between solicitors and MSHA's Certified Legal Representatives. A funding gap will perpetuate the backlog, perpetuate inconsistencies in data between the two systems and continue inefficient management of case load. -Implement enhancement and changes identified in the Upper Big Branch (UBB) mine's disaster investigation report: When the final report is published in December 2011, there will be critical changes to MSIS that should include tightened requirements for monitoring flagrant violations and improved management and processing of mine samples. These changes will be critical to ensure that the mistakes of the UBB disaster are not repeated. Without funding, the existing deficiencies will continue and would inhibit MSHA from detecting future mine hazards. -Modernize the Mine Plan and Approval function: MSHA is required to manage a wide range of mine plans and associated review processes. By reengineering this function, the application can be made to enforce a consistent method of managing and approving mine plans. It also affords a means to extend the capability to manage additional types of mine plans. A deficiency in funding will continue the inefficient process and lead to inaccurate mine plan data. -Reengineer the COBOL samples system: The effort modernizes and migrates an obsolete legacy coal dust processing system and extends it to enable support for future tightened dust standards. This effort plays a key role in the agency's goal of eliminating Black Lung. This will enable MSHA to more accurately process dust samples and integrate data with MSIS, reducing errors and operating costs. A funding gap will result in continued reliance on the unstable legacy system, inhibiting monitoring of the factors contributing to Black Lung.

3. Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.

There were 3 maintenance/enhancement releases: -improved Hazardous Conditions Complaints; E-gov access; Qualifications and Certifications (Q&C) access; Penalty Assessments (PA) bill/status marking -updated Part 50 architecture/forms -completed interface edits to Health Samples legacy system -enhanced menus across MSIS -improved searching for Conferences and Contests records -added single signon capability across application -implemented Special Assessment candidate rules for PA -improved reporting -- reports for Potential Pattern of Violations and flagrant violations; incorporated flagrant indicator -initiated migration to USPS for delivery of bills Technical Support application was

added to MSIS and was the major release for the year. This effort migrated Project Tracking, Mission Support Reporting, and Quality Assurance Tracking into MSIS, enabling retirement of the legacy Technical Support application from the IBM mainframe, a primary goal of the MSIS project.

4. Provide a list of planned accomplishments for current year (CY) and budget year (BY).

CY: FY12 --Samples System Conversion & Reengineering: complete report development & data mailers; enhance data warehouse and develop data retrieval system to handle Samples data; and complete full regression testing. --MSIS Application Improvement Releases: Provide application fixes and enhancements for all MSIS applications. Implement enhancements and application changes recommended in the Upper Big Branch investigation final report. --MSIS Maintenance & Technology Refreshes: Provide application updates, firmware updates, etc. for all MSIS functions. --Technical Support Services Integration Report Development: Complete report development; complete final regression testing; and facilitate project management across project teams. --Samples Rules Conversion: Create Samples system rule conversion modification for new dust rule; implement hardware and software upgrades to accept data from the Continuous Personal Dust Monitors. --Part 50 Conversion: Initiate the integration of MSHA's legacy system used to collect and track mine accident, injury and employment data. This increases data quality and removes sensitive and inconsistent data to create better data interpretation with correct coding of accidents and injuries. BY: FY13 --MSIS Application Improvement Releases: Provide application fixes and enhancements across MSIS. --MSIS Maintenance & Technology Refreshes: Provide COTS software application updates and hardware upgrades for MSIS. --Mobile Inspector: Enhance Inspector's Portable Application for Laptops (IPAL) to provide inspector's with remote access and secure upload/download facility, removing constraint of in-office data transfer. This change affords uninterrupted enforcement activities at mine site, creating a mobile office provision and putting data where enforcement resources need it to increase efficiency and effectiveness. --Electronic Payment Process: Enhance current MSIS financial processing by stream-lining payment, collections, and reconciliation solutions across MSHA program areas, eliminating outdated and cumbersome manual processes. In doing so, the burdened costs to mining industry is reduced with a side effect of enhancing public perception of Agency capabilities, domestic and internationally. --Part 50 Conversion: Complete the integration of MSHA's legacy system used to collect and track mine accident, injury and employment data.

5. Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.

2010-08-18

Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	\$1.9	\$0.1	\$0.1	\$0.1
DME (Excluding Planning) Costs:	\$32.6	\$4.3	\$3.8	\$3.7
DME (Including Planning) Govt. FTEs:	\$9.5	\$0.6	\$0.6	\$0.6
Sub-Total DME (Including Govt. FTE):	\$44.0	\$5.0	\$4.5	\$4.4
O & M Costs:	\$7.5	\$1.2	\$1.2	\$1.3
O & M Govt. FTEs:	\$4.3	\$0.7	\$0.7	\$0.8
Sub-Total O & M Costs (Including Govt. FTE):	\$11.8	\$1.9	\$1.9	\$2.1
Total Cost (Including Govt. FTE):	\$55.8	\$6.9	\$6.4	\$6.5
Total Govt. FTE costs:	\$13.8	\$1.3	\$1.3	\$1.4
# of FTE rep by costs:	165	20	23	23
Total change from prior year final President's Budget (\$)		\$0.0	\$1.9	
Total change from prior year final President's Budget (%)		0.00%	42.40%	

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

MSHA experienced a funding cut for FY2012. This resulted in a funding cut for the MSIS program. These new spending levels have been reflected here.

Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value (\$M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
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NONE

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

Earned value management and reporting are contract requirements in the contract above.

Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2012-04-13

Section B: Project Execution Data

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
208501	FY11 Application Improvement Releases	FY11 MSIS Application Improvement Releases: Provide application fixes and enhancements for all MSIS functions and applications as requested by Program Area IT Coordinators.			
208502	FY12 Application Improvement Releases	FY12 MSIS Application Improvement Releases: Provide application fixes and enhancements for all MSIS functions and applications as requested by Program Area IT coordinators. Implement enhancements and application changes recommended in the Upper Big Branch investigation final report.			
208503	Part-50 Conversion Project	FY12 - Part 50 Conversion: Planning, Analysis, Development & Deploy for re-engineering of the legacy Part 50 Accident and Injury system from SunGard mainframe. This fully migrates and integrates this functionality into MSIS.			

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
208504	Samples System Conversion & Reengineering	FY09-FY12 - Samples System Conversion and Reengineering: Convert legacy COBOL Samples processing system and integrate into MSIS; redesign as a web-based application; migrate legacy data and integrate into enterprise database and data warehouse; integrate for flexibility in supporting proposed revised dust standard.			
208505	Technical Support Services Integration	FY09-FY11 - Technical Support Services Integration: Reengineer the legacy Technical Support systems and integrate into MSIS.			
208506	Samples Rules Conversion	FY12 - Samples System Rule Conversion: Integrate dust sampling standards to coincide with revised rule for coal mine dust standards, complete system integration testing to ensure system performance and implement Continuous Personal Dust Monitor (CPDM).			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M)	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
208501	FY11 Application Improvement Releases							
208502	FY12 Application Improvement Releases							
208503	Part-50 Conversion Project							

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M)	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
208504	Samples System Conversion & Reengineering							
208505	Technical Support Services Integration							
208506	Samples Rules Conversion							

Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
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NONE

Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
Increase the overall annual MSIS Customer Satisfaction Survey average to 3.91 based on the Likert scale with at least 20% response rate from the entire MSIS user base. The Likert scale questions ranging in value from 1-5 are tallied to produce an overall survey average. The survey targets performance assessments impacting user interface, data collection, application performance, system performance, and overall software quality	Number	Customer Results - Customer Benefit	Over target	3.710000	3.810000		3.910000	Semi-Annual
Increase the semi-annual TSSI Customer Satisfaction Survey average to 3.45 based on the Likert scale with at least 20% response rate from the entire Technical Support user base. The Likert scale questions ranging in value from 1-5 are tallied to produce an overall survey average. The survey targets an	Number	Customer Results - Customer Benefit	Over target	3.350000	3.350000	3.350000	3.450000	Semi-Annual

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
initial assessment of legacy client satisfaction and compares these results to a survey conducted after the migration/integration of legacy functionality into MSIS.								
Increase the semi-annual Health Samples Customer Satisfaction Survey by 15% above baseline levels using the likert scale with at least 20% response rate from the entire Health Samples user base. The Likert scale questions ranging in value from 1-5 are tallied to produce an overall survey average. The survey targets an initial assessment of legacy client satisfaction as baseline and compares these results to a survey conducted after the migration/integration of legacy functionality into MSIS	Percentage	Customer Results - Customer Benefit	Over target	3.000000	3.000000	3.570000	3.000000	Semi-Annual
Improve MSIS system availability by converting the COBOL samples system to a new architecture to reduce system outages by	Percentage	Technology - Technology Costs	Under target	9719.000000	8747.000000	6268.000000	5014.000000	Monthly

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
20%.								
Improve the quality of MSIS major system releases and thereby reduce the number of unplanned application patch releases by 20%. Patch releases associated with hardware or software upgrades are not included in this calculation.	Number	Technology - Quality Assurance	Under target	17.000000	14.000000	14.000000	11.000000	Quarterly
Reduce the number of business application interfaces that a business user must interface with to complete their business task in MSIS from 3 to 2 by centralizing enterprise data and integrating legacy systems.	Number	Technology - Efficiency	Over target	4.000000	3.000000		2.000000	Semi-Annual